



PUBLIC NOTICE

File Number: NRS 13.161

Notice Date:
September 24, 2013

Expiration Date:
October 23, 2013

Pursuant to Chapter 1200-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit (this also includes §401 Water Quality Certifications). This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Terry Atkins
209 Whetsall Ln.
Maynardville, TN 37807
Phone 865-368-5704

LOCATION: 209 Whetsall Ln. Maynardville, Union County (Lat: 36.186139/Lon:-83.908583).

PROJECT DESCRIPTION / PURPOSE: The project would involve the grading of 321' of the eroded left stream bank to a 2:1 slope, placement of a geotextile and riprap from toe to half the bank height and planting the remaining slope with native bare root shrub seedlings at 3' spacing.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activities will not result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: The proposed impacts would affect the left bank of Bullrun Creek (TN06010207014_2000). The stream flows through a wide channel ~35 - 40 feet wide within a broad flat valley surrounded by moderate hills. The stream varies in depth greater than 2 feet flowing over a cobble, gravel substrate and has a little if any stream side vegetation. The land use in the area is rural agricultural. Department records indicate that a 2012 TDEC biological survey of Bull Run Creek indicated that the stream is fully supporting of all designated uses.

Stream Name / ID #:	Bull Run Creek (TN06010207014_2000)
Ecoregion:	Southern Limestone/Dolomite Valleys and Low Rolling Hills (67F)
Stream Dimension:	Channel bottom width 20-30'
	Chanel top width 35-40'
	Water depth >2'
	Bank height 8-10'
Substrate:	Cobble/gravel
Designated Use	Use Support
fish and aquatic life	fully supporting

recreation	fully supporting
industrial water supply	fully supporting
irrigation	fully supporting
livestock watering & wildlife	fully supporting
Assessment Date:	2012

PERMIT COORDINATOR: Brian Canada

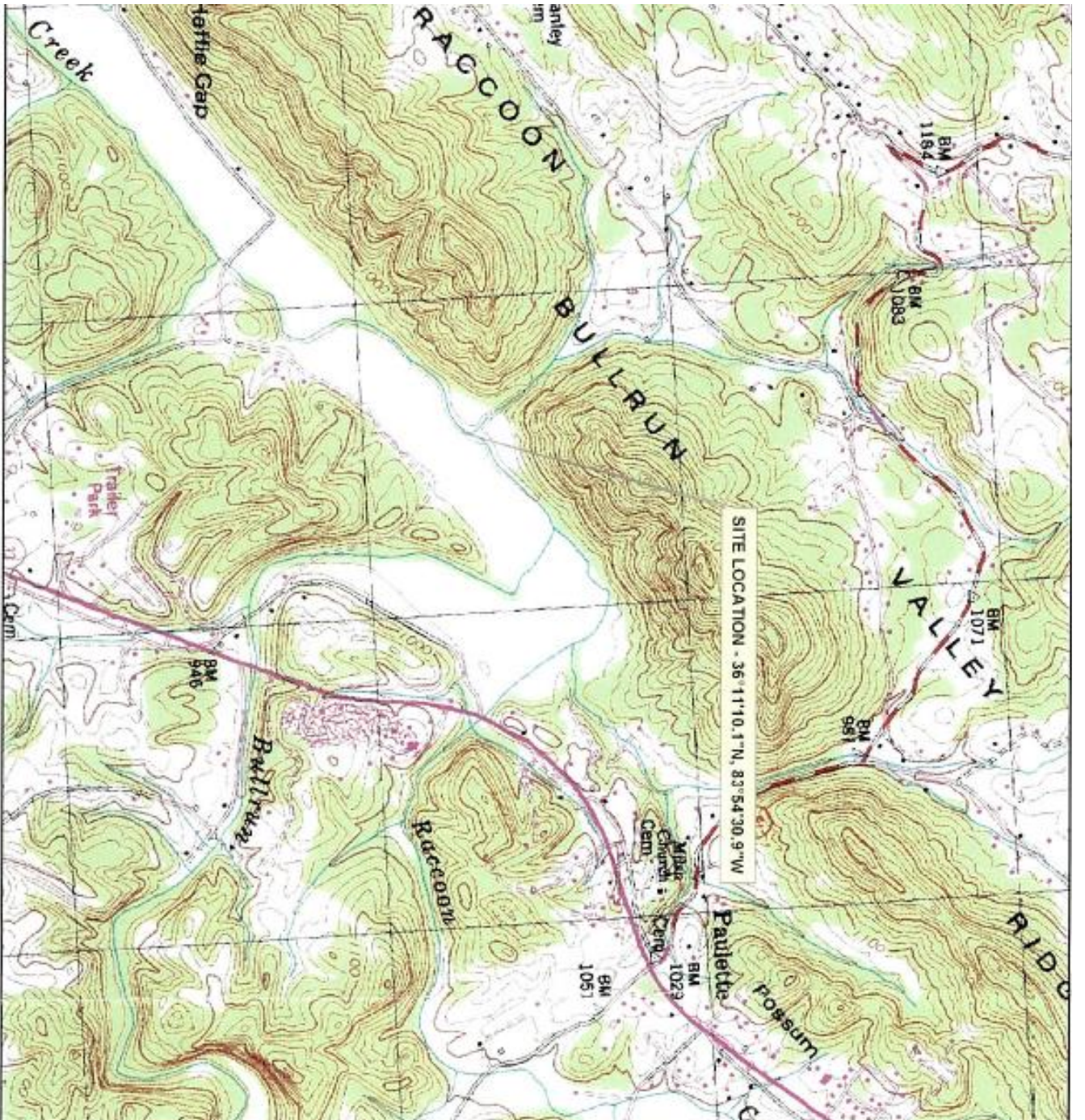
FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower, 11th Floor
312 Rosa L. Parks Ave
Nashville, TN 37243





NOTES:

1. AREA 4 NOTE - ALL STRUCTURES SHALL BE STAKED AND LOCATED IN THE FIELD PRIOR TO CONSTRUCTION BY THE AREA 4 ENGINEERING STAFF. IN ADDITION, THE AREA 4 ENGINEERING STAFF SHALL BE ON SITE FOR CONSTRUCTION ACTIVITIES.
2. SEE SHEET 3 OF 3 FOR ROCK RIPRAP STREAMBANK STABILIZATION DETAILS.
3. THE ROCK RIPRAP FOR THE STREAMBANK STABILIZATION SHALL HAVE A D50 OF 12 INCHES IN DIAMETER, AND A RANGE IN SIZE FROM 6 INCHES TO 18 INCHES.
4. THE GEOTEXTILE SHALL BE UNDER THE ENTIRE ROCK RIPRAP REVEMENT, INCLUDING THE KEYWAYS.
5. THE GEOTEXTILE SHALL BE CLASS 1 NON-WOVEN NEEDLE-PUNCED, ULTRAVIOLET RESISTANT, AND A MINIMUM OF 8 OUNCES PER SQUARE YARD.
6. BOTH ENDS OF THE ROCK RIPRAP STREAMBANK STABILIZATION STRUCTURE SHALL BLEND WITH THE EXISTING SLOPES.
7. ALL DISTURBED AREAS SHALL BE CRITICAL AREA SEEDING WITH A MIXTURE SPECIFIED BY THE LOCAL NROS REPRESENTATIVE. I PREFER A MIXTURE THAT INCLUDES SWITCHGRASS AND VIRGINIA WILD RYE.
8. ALL DISTURBED AREAS SHALL BE MULCHED WITH SMALL DRAIN STRAW MULCH AT A RATE OF 2 TONS PER ACRE.
9. IF BEDROCK IS ENCOUNTERED DURING THE KEYWAY EXCAVATION BEFORE THE KEYWAY REACHES AT LEAST 1' OF DEPTH, THEN A SERIES OF 2.5' TO 3.5' BOLDERS SHALL BE PLACED DIRECTLY ON BEDROCK TO ESTABLISH THE TOE OF THE REVEMENT.
10. THIS SITE HAS AN EXISTING DRAINAGE WAY THAT CUTS THE FIELD OVER THE ERODED STREAMBANK. THE ROCK RIPRAP REVEMENT IN THIS AREA SHALL EXTEND TO THE TOP OF THE CONSTRUCTED BANK TO PREVENT ANY OVERALL EROSION AT THE STREAMBANK. THE LENGTH OF STREAMBANK TO THE TOP OF THE BANK SHOULD NOT EXCEED 8' IN LENGTH WITH SHORT TRANSITIONS ON BOTH SIDES OF THE DRAIN DOWN TO THE 5' TALL ROCK RIPRAP REVEMENT.
11. THE CONSTRUCTED SLOPE ABOVE THE ROCK RIPRAP REVEMENT SHALL BE PLANTED WITH BARE ROOT SHRUB SEEDLINGS ON A GRADING THAT CONSISTS OF SLACKY DOGWOODS, STREAM ALDER, AND GRAY DOGWOOD SEEDLINGS OR OTHER SUITABLE ALTERNATIVES AS SPECIFIED BY THE LOCAL NROS REPRESENTATIVE.

